

WHAT IS CLAIMED IS:

1. A recording/reproducing apparatus for
controlling information recording and reproducing
process by driving a recording medium having at least a
5 video information recording region in which video
information including a program is recorded, a video
management information recording region in which
management information for recording/reproducing the
video information is recorded, and a region for
10 recording chapter management information for managing
each chapter of the program, comprising:

a display signal control section outputting
a display signal obtained from the video information to
a display;

15 a first setting section setting a moving picture
reproducing region for the program selected based on
the video management information on a screen of the
display;

a second setting section setting a thumb nail
20 display region for displaying one or more thumb nails
as a typical picture of a set chapter on the screen of
the display;

a third setting section setting a button region
for indicating a chapter boundary in the moving picture
25 reproducing region during program reproduction;

a command assignment section assigning a command
for specifying a chapter boundary with a cursor being

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moved to the button region when a desired image is displayed in the moving picture reproducing region;

a creation section creating the chapter management information for specifying the start and end of a chapter when the command for specifying a chapter boundary is assigned; and

a recording section creating an image at the start of the set chapter as a still picture, creating the thumb nail management information, and recording the created information in the recording medium.

2. The recording/reproducing apparatus according to claim 1, further comprising a display control section setting a bar shaped display area corresponding to a full length of said program, and additionally displaying a mark corresponding to the number of chapters that exist in said program in said bar shaped display region.

3. The recording/reproducing apparatus according to claim 1, wherein said thumb nail management information indicates an entry point of the image set as a thumb nail in said program.

4. The recording/reproducing apparatus according to claim 1, wherein said thumb nail is created independent of said program, and is recorded in said recording medium.

5. The recording/reproducing apparatus according to claim 1, wherein, when a plurality of thumb nails

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are displayed in said thumb nail display region,
a thumb nail number is displayed in accordance with
each thumb nail.

5 6. The recording/reproducing apparatus according
to claim 1, further comprising a release section
assigning a delete command by pointing a cursor to
a desired thumb nail, and deleting the thumb nail,
thereby releasing a chapter with the plurality of thumb
nails being displayed.

10 7. A recording/reproducing apparatus for
controlling information recording and reproducing
process by driving a recording medium having at least a
video information recording region in which video
information including a program is recorded, a video
15 management information recording region in which
management information for recording/reproducing the
video information is recorded, and a region for
recording chapter management information for managing
each chapter of the program, comprising:

20 display signal control means for outputting
a display signal obtained from the video information to
a display;

 means for setting a moving picture reproducing
region for the program selected based on the video
25 management information on a screen of the display;

 means for setting a thumb nail display region for
displaying one ore more thumb nails as a typical

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picture of a set chapter on the screen of the display;

means for setting a button region for indicating a chapter boundary in the moving picture reproducing region during program reproduction;

5 means for assigning a command for specifying a chapter boundary with a cursor being moved to the button region when a desired image is displayed in the moving picture reproducing region;

means for creating the chapter management
10 information for specifying the start and end of a chapter when the command for specifying a chapter boundary is assigned; and

means for creating an image at the start of the set chapter as a still picture, creating the thumb nail
15 management information, and recording the created information in the recording medium.

8. A recording/reproducing apparatus for controlling information recording and reproducing process by driving a recording medium having at least a
20 video information recording region in which video information including a plurality of programs is recorded, a video management information recording region management information for recording/reproducing the video information is recorded, and a region for
25 recording program management information for managing a reproduction sequence of the program, comprising:

a display signal control section outputting

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a display signal obtained from the video information to a display;

5 a setting section setting a thumb nail display region for displaying a plurality of thumb nails as a typical picture of a plurality of programs on a screen of the display;

10 a thumb nail display section setting a selected thumb nail display region on the screen of the display, and displays the selected thumb nails in specified order from among a plurality of thumb nails on the region; and

15 a play list constructing section making an enter operation while desired selected thumb nails are displayed in the selected thumb nail display region, thereby creating a new play list for reproducing programs corresponding to each thumb nail in order of arrangement of the selected thumb nails, and registering the created play list as program management information.

20 9. The recording/reproducing apparatus according to claim 8, wherein said play list includes cell reproduction information.

25 10. The recording/reproducing apparatus according to claim 8, wherein, when a delete mode is established while desired selected thumb nails are displayed in said selected thumb nail display region, said play list constructing section deletes desired thumb nails from

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said selected thumb nails, creates a new play list for reproducing programs corresponding to the remaining thumb nails, and registers the created list as said program management information.

5 11. The recording/reproducing apparatus according to claim 8, wherein, when a move mode is established while desired selected thumb nails are displayed in said selected thumb nail display region, said play list constructing section moves desired thumb nails to
10 positions in desired orders from among said selected thumb nails, creates a new play list for reproducing programs corresponding to the order of thumb bails arranged in this state, and registers the created list as said program management information.

15 12. A recording/reproducing apparatus for controlling information recording and reproducing process by driving a recording medium having at least a video information recording region in which video information including a plurality of programs is
20 recorded, a video management information recording region in which management information for recording/reproducing the video information is recorded, and a region for recording program management information for managing a reproduction sequence of
25 the program, comprising:

display signal control means for outputting a display signal obtained from the video information to

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a display;

means for setting a thumb nail display region for displaying a plurality of thumb nails as a typical picture of a plurality of programs on a screen of the display;

means for setting a selected thumb nail display region on the screen of the display, and displaying the selected thumb nails in specified order from among the plurality of thumb nails on the region; and

a play list constructing means for making an enter operation while desired selected thumb nails are displayed in the selected thumb nail display region, thereby creating a new play list for reproducing programs corresponding to each thumb nail in order of arrangement of the selected thumb nails, and registering the created play list as the program management information.